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(71) Applicant: **Waybler AB**
171 04 Solna (SE)

(72) Inventors:
- **STENBERG, Lars**
  136 48 HANDEN (SE)
- **MAGNUSSON, Peter**
  194 55 UPPLANDS VÄSBY (SE)

(74) Representative: **Brann AB**
P.O. Box 3690
Sveavägen 63
103 59 Stockholm (SE)

(54) **CONTROLLER, COMPUTER-IMPLEMENTED FOR DYNAMICALLY DISTRIBUTING ELECTRIC CURRENT, COMPUTER PROGRAM AND NON-VOLATILE DATA CARRIER**

(57) Electric current is dynamically distributed to vehicles, which each is connected to a respective consumer node (C11, C12, C13, C21) in a distribution network (150) receiving a total amount of incoming electric current (I_S) via a root interface (R). Current is allotted to each node in the distribution network (150) according to a stepwise procedure, wherein amounts of current is gradually allotted to the nodes until all of the total amount of electric current (I_S) has been allotted, or at least one threshold criterion is fulfilled. A respective amount of current requested by each consumer node (C11, C12, C13, C21) is repeatedly reassessed, and if for a particular consumer node, a requested amount of current is lower than an amount of current allotted to the node, the amount of electric current allotted to the particular consumer node is decreased to the amount of current requested by that node.

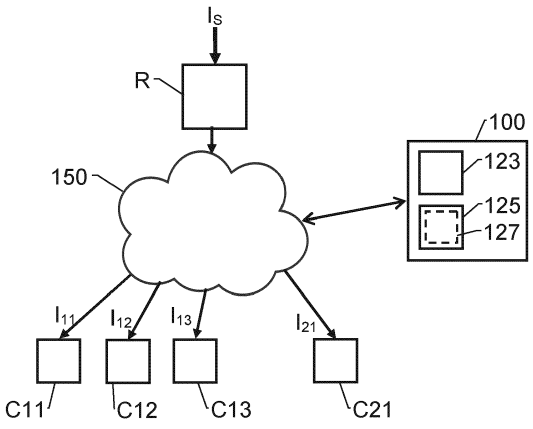

Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 23 16 0703

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	14 November 2023	Hurtado-Albir, F

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 23 16 0703

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82